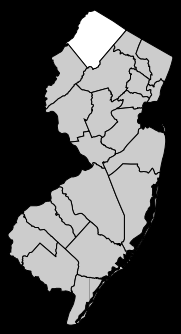
# Sussex County



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## Sussex County Index of Sites

# Cranberry Lake Ground Water Contamination

## Lakeview Trail & Hillcrest Trail Area Byram Township Sussex County

**BLOCK:** Various **LOT:** Various

**CATEGORY:** Non-Superfund
State Lead, IEC

**TYPE OF FACILITY:** Not Applicable
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** Not Applicable

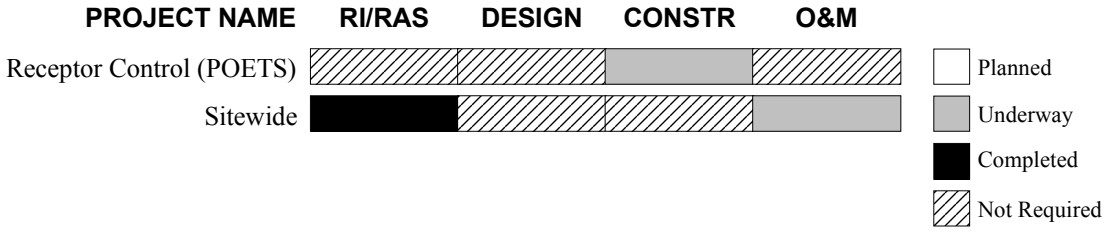
**SURROUNDING LAND USE:** Residential

| MEDIA AFFECTED | CONTAMINANTS | STATUS |
|---|---|---|
| Ground Water | Volatile Organic Compounds | Delineated |
| Potable Water | Volatile Organic Compounds | Treating |

| FUNDING SOURCES | AMOUNT AUTHORIZED |
|---|---|
| Spill Fund | $32,000 |
| Corporate Business Tax | $25,000 |

**SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:**

Cranberry Lake is a recreational lake surrounded by a densely populated community where many of the residents rely on private wells for their potable water supplies. In 1990, low levels of chlorinated volatile organic compounds were discovered in several private wells at residences on the northern end of the lake. NJDEP installed Point-of-Entry Treatment (POET) systems on the two wells that were contaminated at levels exceeding New Jersey Drinking Water Standards to provide potable water for the residents. Sampling conducted by the Sussex County Health Department and NJDEP's Division of Publicly Funded Site Remediation between 1997 and 2000 identified nine private potable wells in the area that were contaminated with the gasoline additive methyl tertiary butyl ether (MTBE) at levels exceeding Drinking Water Standards and POET systems were also installed in these homes. Based on the sampling results, NJDEP has delineated the Currently Known Extent (CKE) of the potable well contamination. The chlorinated volatile organic and MTBE contamination are believed to have resulted from one-time discharges by unregulated parties (i.e., discharges to a private septic system or surface spillage by a resident), therefore a source investigation is not planned. Since the local water purveyor is not able to provide water service to any additional residences in the area, the continued use of POET systems at the affected residences will be the long-term remedy for this site. NJDEP is periodically sampling private potable wells outside the CKE to monitor the extent of the ground water plume.



# GESG Reclamation Materials Inc.

## 41 Lenape Road Andover Borough Sussex County

**BLOCK:** 24 **LOT:** 36.03

**CATEGORY:** Non-Superfund
State Lead

**TYPE OF FACILITY:** Waste Processing
**OPERATION STATUS:** Inactive

**PROPERTY SIZE:** 8 Acres

**SURROUNDING LAND USE:** Commercial/Residential/Industrial

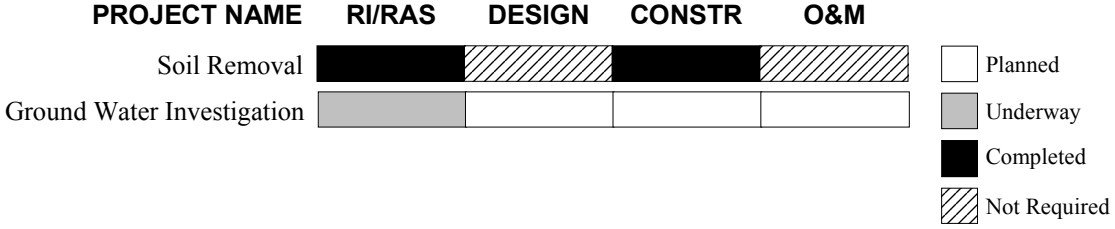
| MEDIA AFFECTED | CONTAMINANTS | STATUS |
|---|---|---|
| Ground Water | Metals | Delineating |
| Soil | Polychlorinated Biphenyls (PCBs)<br>Semi-Volatile Organic Compounds<br>Petroleum Hydrocarbons<br>Metals | Removed |
| Sediments | Polychlorinated Biphenyls (PCBs)<br>Semi-Volatile Organic Compounds<br>Petroleum Hydrocarbons<br>Metals | Investigating |

| FUNDING SOURCES | AMOUNT AUTHORIZED |
|---|---|
| 1986 Bond Fund | $520,000 |
| Corporate Business Tax | $1,316,000 |

### SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

GESG Reclamation Materials Inc. formerly blended contaminated construction debris with sand and gravel at this site to generate fill material for use at other locations. The facility ceased operations in 1992. Sampling conducted by NJDEP in 1992 indicated that the soil at GESG Reclamation Materials was contaminated with polychlorinated biphenyls (PCBs), metals, semi-volatile organic compounds and petroleum hydrocarbons. NJDEP directed the Potentially Responsible Party for the site to determine the extent of the contamination and conduct the necessary remedial actions but the Potentially Responsible Party did not comply. The site is located several hundred feet from a public supply well operated by the Borough of Andover but testing has shown that water from the well meets New Jersey Drinking Water Standards.

In 1996, NJDEP's Division of Publicly Funded Site Remediation began a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the nature and extent of the contamination in the soil, ground water and sediments and evaluate cleanup alternatives. Based on the initial findings of the RI, NJDEP implemented three removal actions between 1997 and 2001 to excavate and dispose of contaminated soil. Approximately 3,500 cubic yards of contaminated soil were removed from the site and the excavated areas backfilled with clean soil. NJDEP plans to install monitor wells at the site in 2002 to evaluate the ground water. The preliminary findings of the RI indicate that the sediments in a small wetlands area at the site are not contaminated, but additional investigation is planned. Two other properties in Sussex County that allegedly received contaminated fill from GESG, the Route 206 site in Andover Borough and the Hemlock Avenue Landfill in Andover Township, are also undergoing investigation and remediation by NJDEP.



# Hemlock Avenue Landfill

## Hemlock Avenue Andover Township Sussex County

**BLOCK:** 60 **LOT:** 4.06

**CATEGORY:** Non-Superfund
State Lead

**TYPE OF FACILITY:** Illegal Disposal Site
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** 130 Acres

**SURROUNDING LAND USE:** Forest

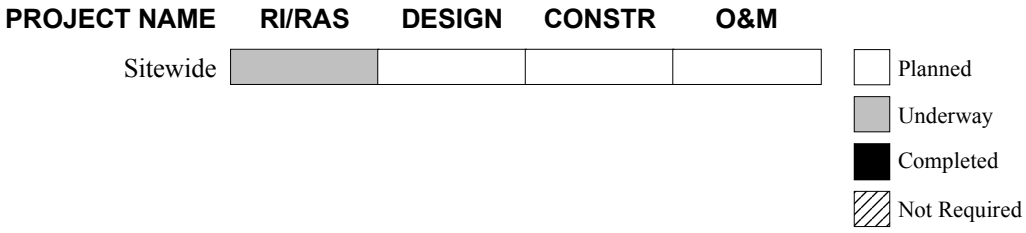
| MEDIA AFFECTED | CONTAMINANTS | STATUS |
|---|---|---|
| Soil | Polychlorinated Biphenyls (PCBs)<br>Semi-Volatile Organic Compounds<br>Metals<br>Petroleum Hydrocarbons | Delineated |

| FUNDING SOURCES | AMOUNT AUTHORIZED |
|---|---|
| 1986 Bond Fund | $189,000 |
| Corporate Business Tax | $30,000 |

**SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:**

Contaminated fill derived from operations at the nearby GESG Reclamation Materials, Inc. facility was deposited on this property in 1992. The results of sampling conducted by NJDEP between 1993 and 1995 indicated that the soil at the site was contaminated with polychlorinated biphenyls (PCBs), semi-volatile organic compounds, petroleum hydrocarbons and metals. NJDEP directed the Potentially Responsible Parties for the site to delineate the contamination and conduct the necessary remedial activities but they did not comply.

In 1996, NJDEP's Division of Publicly Funded Site Remediation began a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the nature and extent of the contamination and evaluate cleanup alternatives. The RI/RAS has revealed that a small quantity of contaminated soil is present at the site. NJDEP expects to complete the RI/RAS and issue a Decision Document selecting the final remedial action to address the contaminated soil in 2002.



# Metaltec Aerosystems

## Wildcat Road — Franklin Borough — Sussex County

**BLOCK:** 64 **LOT:** 13

**CATEGORY:** Superfund
Federal Lead

**TYPE OF FACILITY:** Metal Products Manufacturing
**OPERATION STATUS:** Inactive

**PROPERTY SIZE:** 16 Acres

**SURROUNDING LAND USE:** Residential

| MEDIA AFFECTED | CONTAMINANTS | STATUS |
|---|---|---|
| Ground Water | Volatile Organic Compounds<br>Metals | Delineated |
| Potable Water | Volatile Organic Compounds<br>Metals | Alternate Water Supply Provided |
| Soil | Volatile Organic Compounds<br>Metals | Removed |

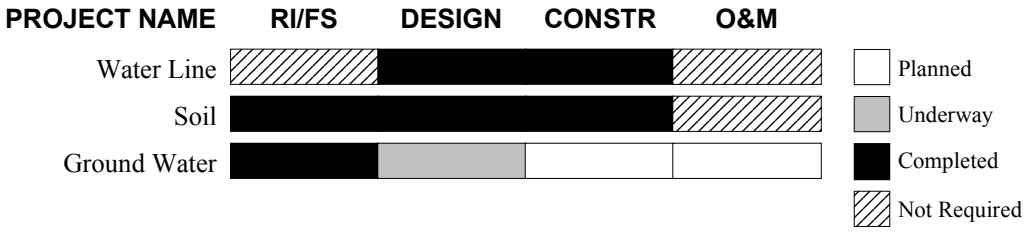
| FUNDING SOURCES | AMOUNT AUTHORIZED |
|---|---|
| Superfund | $17,390,000 |
| 1981 Bond Fund | $1,000,000 |
| General State Fund | $426,000 |

**SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:**

Metaltec Aerosystems manufactured pen and lipstick casings at this site between 1965 and 1980. Operations at the site caused the on-site soil and ground water to become contaminated with volatile organic compounds and metals. The contaminated ground water migrated off-site, which resulted in the closure of three residential drinking water wells and the Borough's backup water supply well in 1980. USEPA added Metaltec Aerosystems to the National Priorities List of Superfund sites in 1983.

In 1984, USEPA began a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination at the site and evaluate cleanup alternatives. The RI/FS revealed that four parcels of soil and both the shallow and bedrock aquifers were contaminated. USEPA signed the first Record of Decision (ROD) for the site with NJDEP concurrence in 1986. The ROD required excavation, treatment and off-site disposal of the contaminated soil, implementation of a supplemental ground water investigation, and provision of an alternate water supply to the Borough to replace lost drinking water capacity due to the closure of the backup water supply well. By 1988, USEPA had removed approximately 4,900 cubic yards of soil from three of four contaminated parcels at the site. An alternate water supply pipeline to provide the Borough with water from two privately developed wells was completed in 1991.

In 1990, after completing a study of the ground water at the site, USEPA signed a second ROD with NJDEP concurrence that required installation of a remediation system to extract and treat the contaminated ground water. Additional investigative work is being performed as part of the Remedial Design for the ground water remediation system. USEPA completed remediation of the fourth parcel of contaminated soil in 1995. Approximately 10,500 cubic yards of contaminated soil have been removed from the site since remedial activities began.



# North Shore Water Associates

## 1 Hitoga Trail — Byram Township — Sussex County

**BLOCK:** 154 **LOT:** 235

**CATEGORY:** Non-Superfund
State Lead, IEC

**TYPE OF FACILITY:** Not Applicable
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** Not Applicable

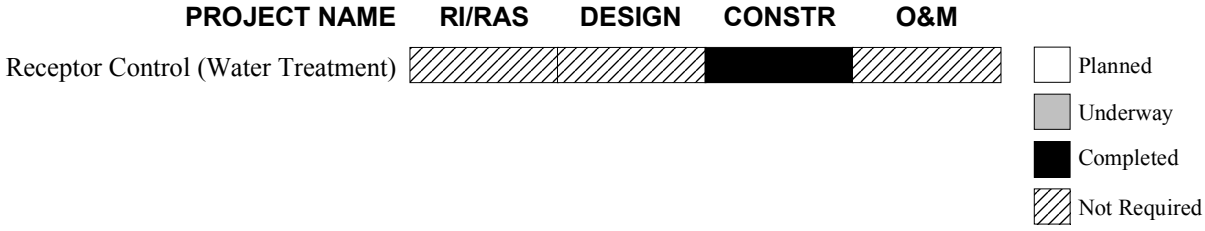
**SURROUNDING LAND USE:** Residential

| MEDIA AFFECTED | CONTAMINANTS | STATUS |
|---|---|---|
| Ground Water | Volatile Organic Compounds | Confirmed |
| Potable Water | Volatile Organic Compounds | Treating |

| FUNDING SOURCES | AMOUNT AUTHORIZED |
|---|---|
| Spill Fund | $17,500 |

**SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:**

This site consists of one potable well that serves 15 residences. This well was determined to be contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards in 1989 during routine testing by North Shore Water Associates. North Shore Water Associates installed a treatment system on the well in 1990 using funds provided by NJDEP and is operating and maintaining the system. The volatile organic contamination is believed to have resulted from a one-time discharge by an unregulated party (i.e., discharges to a private septic system or surface spillage by a resident), therefore a source investigation is not planned.



# Route 206 Andover

## Route 206 North (Main Street) Andover Borough Sussex County

**BLOCK:** 24 **LOT:** 25

**CATEGORY:** Non-Superfund
State Lead

**TYPE OF FACILITY:** Vacant Lot
**OPERATION STATUS:** Not Applicable

**PROPERTY SIZE:** 3.2 Acres

**SURROUNDING LAND USE:** Commercial/Residential

| MEDIA AFFECTED | CONTAMINANTS | STATUS |
|---|---|---|
| Ground Water | Lead | Delineating |
| Soil | Semi-Volatile Organic Compounds<br>Polychlorinated Biphenyls (PCBs)<br>Metals | Partially Removed/Delineated |
| Sediments | Semi-Volatile Organic Compounds | Levels Not of Concern |

**FUNDING SOURCES**
1986 Bond Fund

**AMOUNT AUTHORIZED**
$1,433,000

**SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:**

This site is a vacant lot located directly adjacent to Route 206 in Andover Borough. A small unnamed stream borders the site. Contaminated fill derived from operations at the nearby GESG Reclamation Materials, Inc. was deposited at the property in 1992. Sampling conducted by NJDEP in 1995 confirmed that soil at the site was contaminated with polychlorinated biphenyls (PCBs), metals and semi-volatile organic compounds.

NJDEP's Division of Publicly Funded Site Remediation began a Remedial Investigation and Remedial Action Selection (RI/RAS) in 1997 to determine the nature and extent of the contamination in the soil, ground water and stream sediments and evaluate cleanup alternatives. The preliminary findings of the RI revealed that several thousand cubic yards of contaminated soil were present at the site and that the ground water is contaminated with lead. NJDEP excavated and disposed of 5,800 cubic yards of contaminated soil from the site and backfilled the excavations with clean soil in 2000. NJDEP is reviewing post-excavation sampling results to determine whether additional actions are necessary to address the soil. Low levels of semi-volatile organic compounds were detected in the stream sediments during the RI, but this contamination was also found in off-site (upstream) samples and is not attributed to the site. No further action is planned for the wetlands and stream sediments. NJDEP plans to install additional monitor wells at the site in 2002 to investigate the ground water quality.